

...JULY 2011 CLIMATE SUMMARY...

...RECORD WARMTH FOR MUCH OF THE NATION...BUT COOLER-THAN-NORMAL
IN OUR AREA...

FOR THE NATION AS A WHOLE JULY 2011 WAS THE FORTH WARMEST JULY ON
RECORD. PORTIONS OF THE SOUTHERN PLAINS HAD THEIR WARMEST MONTHS EVER
RECORDED. 41 OF THE LOWER 48 STATES HAD ABOVE-NORMAL...MUCH-ABOVE-
NORMAL...OR A RECORD WARMEST JULY. MOST OF THE HEAT RECORDS OCCURRED
ACROSS THE EASTERN TWO-THIRDS OF THE NATION WHERE A PERSISTENT DOME
OF HIGH PRESSURE REMAINED LOCKED IN PLACE. ONLY SEVEN OF THE LOWER 48
STATES...ALL WEST OF THE ROCKIES...EXPERIENCED A JULY AVERAGE
TEMPERATURE NEAR OR BELOW NORMAL.

SUMMARY FOR THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA...

THE SAN FRANCISCO BAY AREA AND MONTEREY BAY AREA HAD A SLIGHTLY
COOLER-THAN-NORMAL JULY. THIS WAS THE SIXTH CONSECUTIVE MONTH WITH
BELOW NORMAL TEMPERATURES ACROSS THE REGION. THE MONTH GOT OFF TO A
WARM START. A RIDGE OF HIGH PRESSURE DEVELOPED ALONG THE WEST COAST
DURING THE FIRST FEW DAYS OF JULY AND RESULTED IN ABOVE NORMAL
TEMPERATURES FROM THE 1ST THROUGH THE 5TH. THE WARMEST DAY OF THE
MONTH WAS SUNDAY JULY 3RD. SLIGHT COOLING OCCURRED ON INDEPENDENCE
DAY...BUT TEMPERATURES WARMED BACK UP ON THE 5TH WHEN A COUPLE OF
DAILY RECORD HIGH TEMPERATURES OCCURRED. TEMPERATURES THEN SLIPPED
BELOW NORMAL BY THE 9TH WHEN AN UPPER TROUGH BEGAN TO DEEPEN NEAR THE
WEST COAST. THE TROUGH CONTINUED TO DEEPEN THROUGH THE 13TH AND THEN
REMAINED NEAR THE WEST COAST FOR MUCH OF THE REST OF THE MONTH.
TEMPERATURES WERE BELOW NORMAL ACROSS THE REGION FROM THE 9TH THROUGH
THE 17TH. THE TROUGH WEAKENED SOMEWHAT FROM THE 18TH THROUGH THE
21ST...ALLOWING TEMPERATURES TO BRIEFLY WARM BACK ABOVE NORMAL. FOR
THE REMAINDER OF THE MONTH TEMPERATURES DIPPED BACK TO NEAR NORMAL OR
SLIGHTLY BELOW NORMAL. AVERAGE HIGH TEMPERATURES FOR JULY WERE BELOW
NORMAL AT MOST CLIMATE STATIONS. MINIMUM TEMPERATURES WERE GENERALLY
NEAR NORMAL TO SLIGHTLY BELOW NORMAL.

THE ONLY PRECIPITATION TO FALL DURING JULY 2011 CAME FROM DRIZZLE
THAT FELL NEAR THE COAST ON A NUMBER OF OCCASIONS...PRIMARILY NEAR
THE MIDDLE OF THE MONTH WHEN THE MARINE LAYER WAS AT ITS DEEPEST.
MOST OF SAN FRANCISCO'S JULY PRECIPITATION OCCURRED FROM
THE 11TH THROUGH THE 13TH WHEN 0.07 INCHES OF DRIZZLE ACCUMULATED AT
THE MINT HILL CLIMATE SITE. A COUPLE OF OTHER SAN FRANCISCO
PENINSULA LOCATIONS RECEIVED MOST OF THEIR JULY PRECIP OVER THE
SAME THREE DAYS...INCLUDING PACIFICA WITH 0.13 INCHES AND HALF MOON
BAY WITH 0.19 INCHES. MOST INLAND AREAS PICKED UP NO MEASURABLE
RAINFALL DURING THE MONTH...SOMETHING THAT IS TYPICAL FOR INLAND
AREAS DURING THE DRIEST MONTH OF THE YEAR.

...JULY REGIONAL TEMPERATURE SUMMARY...

	DEPARTURE			DEPARTURE		
	AVG	NORMAL	FROM	AVG	NORMAL	FROM
LOCATION	HIGH	HIGH	NORMAL	LOW	LOW	NORMAL

NORTH BAY...

KENTFIELD	79.8	82.7	-2.9	52.9	53.0	-0.1
NAPA AIRPORT	77.3	78.3	-1.0	53.7	52.5	1.2
SANTA ROSA AP	81.4	83.1	-1.7	52.5	51.9	0.6
SONOMA	82.3	87.2	-4.9	53.3	52.8	0.5

SAN FRANCISCO PENINSULA...

HALF MOON BAY	64.6	65.0	-0.4	52.3	51.6	0.7
PACIFICA	64.2	70.8	-6.6	51.0	54.8	-3.8
PALO ALTO	78.5	79.6	-1.1	55.2	55.1	0.1
REDWOOD CITY	78.9	82.0	-3.1	56.2	56.1	0.1
SAN FRANCISCO AIRPORT	70.6	72.0	-1.4	54.8	55.4	-0.6
SAN FRANCISCO DOWNTOWN	65.9	66.5	-0.6	54.3	54.1	0.2

EAST BAY...

BERKELEY	72.1	73.9	-1.8	52.6	53.0	-0.4
CONCORD AIRPORT	84.9	87.0	-2.1	57.2	57.7	-0.5
HAYWARD AIRPORT	74.5	73.0	1.5	57.2	57.4	-0.2
LIVERMORE	87.2	88.9	-1.7	56.1	56.8	-0.7
LIVERMORE AP	85.8	87.5	-1.7	56.7	57.2	-0.5
MARTINEZ	86.7	88.7	-2.0	52.0	51.1	0.9
MOUNT DIABLO JUNCTION	78.0	84.7	-6.7	59.0	60.3	-1.3
NEWARK	76.5	77.1	-0.6	57.7	57.8	-0.1
OAKLAND	70.5	72.0	-1.5	56.1	56.2	-0.1
OAKLAND AIRPORT	71.0	70.3	0.7	53.8	55.5	-1.7

SOUTH BAY AND SANTA CRUZ COUNTY...

GILROY	85.7	88.2	-2.5	55.3	54.5	0.8
MOFFETT FED AF	76.5	77.1	-0.6	58.7	59.1	-0.4
MOUNT HAMILTON	74.9	77.8	-2.9	61.1	64.6	-3.5
SAN JOSE	80.5	81.9	-1.4	57.5	58.1	-0.6
SANTA CRUZ	73.1	75.3	-2.2	53.8	54.0	-0.2
WATSONVILLE	70.9	71.6	-0.7	54.8	53.7	1.1
WATSONVILLE AP	72.4	73.2	-0.8	54.5	53.1	1.4

MONTEREY AND SAN BENITO COUNTIES...

HOLLISTER	77.5	81.0	-3.5	53.5	53.0	0.5
MONTEREY	65.2	66.3	-1.1	51.8	52.2	-0.4
MONTEREY AIRPORT	67.0	67.2	-0.2	53.9	53.6	0.3
SALINAS	70.1	71.0	-0.9	53.8	53.3	0.5
SALINAS AIRPORT	70.6	71.0	-0.4	55.4	55.1	0.3

...JULY REGIONAL PRECIPITATION SUMMARY...

NOTE: ONLY CLIMATE STATIONS WITH MEASURABLE RAINFALL DURING THE MONTH ARE LISTED.

LOCATION	JULY TOTAL	AVERAGE JULY PRECIP	PERCENT OF NORMAL
NORTH BAY...			
FORT ROSS	0.09	0.06	150
MUIR WOODS	0.03	0.05	60
SAN FRANCISCO PENINSULA...			
HALF MOON BAY	0.30	0.14	214
PACIFICA	0.18	0.03	600
SAN FRANCISCO DOWNTOWN	0.08	0.00	N/A
EAST BAY...			
HAYWARD AIRPORT	0.01	0.00	N/A
MOUNT DIABLO JUNCTION	0.04	0.01	400
SOUTH BAY AND SANTA CRUZ COUNTY...			
SANTA CRUZ	0.01	0.01	100
WATSONVILLE	0.01	0.01	100
WATSONVILLE AP	0.03	0.02	150
MONTEREY AND SAN BENITO COUNTIES...			
SALINAS AIRPORT	0.01	0.00	N/A

...DAILY TEMPERATURE RECORDS FOR JULY 2011...

		RECORD MAXIMUM TEMP	PREVIOUS RECORD
7/05	OAKLAND AIRPORT	84	80 IN 1953
7/05	MOFFETT FEDERAL AIRFIELD	86	86 IN 1989

		RECORD MINIMUM TEMP	PREVIOUS RECORD
7/21	OAKLAND AIRPORT	52	52 IN 1955
7/27	OAKLAND AIRPORT	51	52 IN 2009

...MONTHLY RANKS FOR DOWNTOWN SAN FRANCISCO...

AVERAGE HIGH TEMPERATURE.....65.9.....43RD WARMEST OUT OF 136 YEARS
 AVERAGE LOW TEMPERATURE.....54.3.....36TH WARMEST OUT OF 136 YEARS
 PRECIPITATION.....0.08 INCHES.....7TH WETTEST OUT OF 161 YEARS

...MONTHLY EXTREMES FOR SELECT LOCATIONS...

LOCATION	WARMEST DAY(S)	COOLEST DAY(S)	WETTEST DAY(S)
SANTA ROSA AIRPORT	7/03 99 DEG	7/10 7/15 47 DEG	N/A
SAN FRANCISCO	7/03 81 DEG	7/11 51 DEG	7/13 0.03 IN
SAN JOSE	7/03 93 DEG	7/10 53 DEG	N/A
SALINAS AIRPORT	7/03 85 DEG	7/18 51 DEG	7/13 0.01 IN

NOTE: THIS CLIMATOLOGICAL DATA IS PRELIMINARY. FOR OFFICIAL
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